

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of

Takanori SHIMIZU et al.

Application No.: 10/524,686

Filed: April 19, 2005

For: PROCESS FOR PRODUCING AMINOBENZOPYRAN COMPOUND

Group Art Unit: 1754

Docket No.: 122760

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 2, 5, and 7-9 is discussed in the present specification.
- ☒ 3. The references 3-6, 10 and 11 were cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information.
- ☒ 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- ☒ 5. English language Abstracts of the non-English language references 2-4 are attached hereto.
- ☒ 6. A computer-generated English language translation of the Japanese Patent Publications 2 and 4 has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy.

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Jesse O. Collier
Registration No. 53,839

JAO:JOC/cqc
Date: July 18, 2005

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83) US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. 122760	APPLICATION NO. 10/524,686
	APPLICANTS Takanori SHIMIZU et al.	
	FILING DATE April 19, 2005	GROUP 1754

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1)	US 6,589,983 B1	07/08/2003	TANIKAWA et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	2)	JP A 2001-151767 w/ abst. & trans	06/05/2001	JAPAN		
	3)	WO 01/85671 A2 w/abstract	11/15/2001	WIPO		
	4)	JP A 5-78289 w/ abstract & trans	03/30/1993	JAPAN		
	5)	GB 1,121,307	07/24/1968	GREAT BRITAIN		
	6)	EP 0 488 107 A2	06/03/1992	EUROPE		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	7)	Evan et al., "Synthesis and Antihypertensive Activity of Substituted <i>trans</i> -4-amino-3,4-dihydro-2,2-dimethyl-2H-1-benzopyran-3-ols," J. Med. Chem, Vol. 26, pp. 1582-1589, 1983
	8)	Hine et al., "The Synthesis and Ionization Constants of Some Derivatives of 1-Biphenylenol," J. Org. Chem, Vol. 50, 5092-5096, 1985
	9)	Clarke et al., Org. Syn. Coll., Vol. 1, pp. 455-457, 1941
	10)	Razafimbelo et al., "Synthesis and Cytotoxic Activity of Pyranophenanthridine Analogues of Fagaronine and Acronycine," Chem. Pharm. Bull., Vol. 46, No. 1, pp. 34-41, 1998
	11)	Brown et al., "Studies of Chromenes. Part 10 ¹ Oxiranes of Nitrochromenes," J. Chem. Soc., Perkin Trans, Vol. 1, pp. 573-577, 1992

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: July 18, 2005